(B) Amendments to the Claims:

Listing of Claims:

Claim 1 (Previously Presented): A functionalized polymer having a structure represented by the following formula (1):

-(CWX-CYZ)n-

wherein, W denotes a carbohydrate chain including a structure corresponding to at least a portion of the basic skeletal structure of a glycosaminoglycan and comprising 2-50 constituent disaccharide units having an average of at least one sulfate group, X, Y and Z denotes any substituent group including a hydrogen atom, and n denotes the number of repeating units of at least 1.

Claim 2 (Original): A functionalized polymer in accordance with claim 1, characterized in that said carbohydrate chain is a decomposed carbohydrate chain obtained by chemical decomposition of a natural glycosaminoglycan, and said decomposed carbohydrate chain is bonded to the polymer main chain via a functional group formed by said chemical decomposition.

Claim 3 (Original): A functionalized polymer in accordance with claim 1 or 2, characterized in that said glycosaminoglycan is heparin/heparan sulfate, chondroitin sulfate, dermatan sulfate or a partially desulfated modification thereof.

Claim 5 (Withdrawn): A medical instrument characterized by being surface-modified by a functionalized polymer in accordance with any one of claims 1-3.

Claim 6 (Original): A cell growth control agent characterized by containing a functionalized polymer in accordance with any one of claims 1-3.

Claim 7 (Previously Presented): An agent for preventing reconstriction of a blood vessel comprising a functionalized polymer, said functionalized polymer having a structure represented by the following formula (1):

-(CWX-CYZ)n-

wherein, W denotes a carbohydrate chain including a structure corresponding to at least a portion of the basic skeletal structure of a glycosaminoglycan and comprising 2-50 constituent disaccharide units having an average of at least one sulfate group, X, Y and Z denotes any substituent group including a hydrogen atom, and n denotes the number of repeating units of at least 1.

Claim 8 (Previously Presented): The agent of claim 7, characterized in that said carbohydrate chain is a decomposed carbohydrate chain obtained by chemical decomposition of a natural glycosaminoglycan, and said decomposed carbohydrate chain is bonded to the polymer main chain via a functional group formed by said chemical decomposition.

Claim 9 (Previously Presented): The agent of claim 7, characterized in that said glycosaminoglycan is heparin/heparan sulfate, chondroitin sulfate, dermatan sulfate or a partially desulfated modification thereof.

Claim 10 (Previously Presented): The agent of claim 8, characterized in that said glycosaminoglycan is heparin/heparan sulfate, chondroitin sulfate, dermatan sulfate or a partially desulfated modification thereof.

Claim 11 (Previously Presented): A functionalized polymer in accordance with claim 1 wherein the polymer main chain is a vinyl polymer.

Claim 12 (Previously Presented): A functionalized polymer in accordance with claim 11 wherein the polymer main chain is hydrophobic and said carbohydrate chain is hydrophilic.

Claim 13 (New): A functionalized polymer in accordance with claim 1 wherein said functionalized polymer is formed by polymerizing a plurality of the repeating units of formula (1).

Claim 14 (New): A functionalized polymer in accordance with claim 1 wherein said functionalized polymer has a morphology in aqueous solution comprising a core composed of the polymer main chain and said carbohydrate chains W spread out from said core in solution.

Claim 15 (New): A functionalized polymer in accordance with claim 7 wherein said functionalized polymer is formed by polymerizing a plurality of the repeating units of formula (1).

Claim 16 (New): A functionalized polymer in accordance with claim 7 wherein said functionalized polymer has a morphology in aqueous solution comprising a core composed of the polymer main chain and said carbohydrate chains W spread out from said core in solution.